

HOMEWORK for Transforming $y = \sin(x)$ and $y = \cos(x)$ | Lesson 32

(A) Make notes & copy examples from:

(1) <http://www.youtube.com/watch?v=9xnnY8q7k6g>

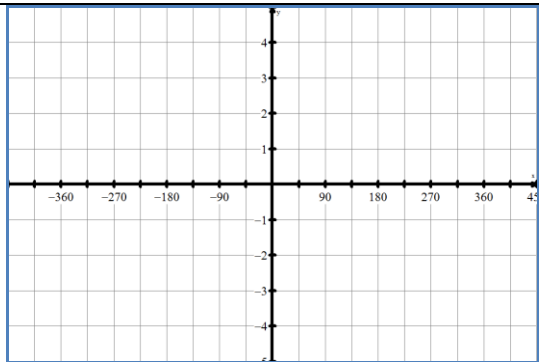
(2) <http://www.youtube.com/watch?v=SCVQY8fbLE>

Notes/Examples

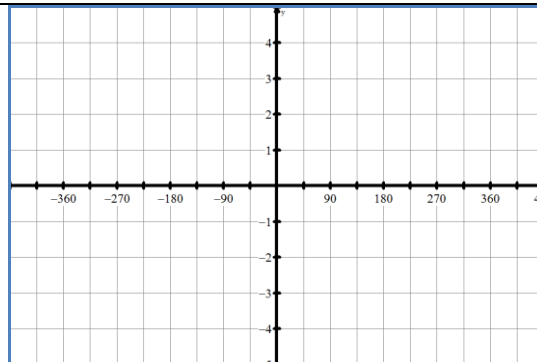
Key Concepts/Skills:	Examples Developed:
Questions or Clarifications??	

HOMWORK for Transforming $y = \sin(x)$ and $y = \cos(x)$ | Lesson 32

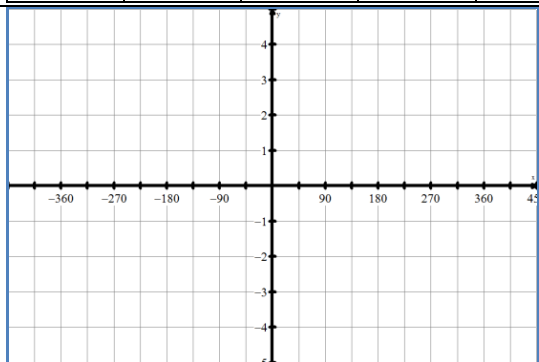
HW Practice for Lesson 32 – Transforming Sinusoidal Functions – Write the equations of the following transformed sin functions, given the data set provided



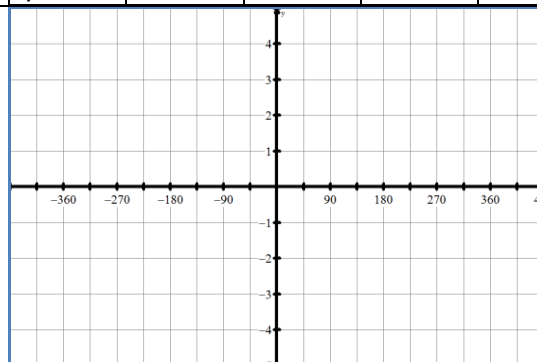
X°	0	90	180	270	360
y	-3	0	3	0	-3



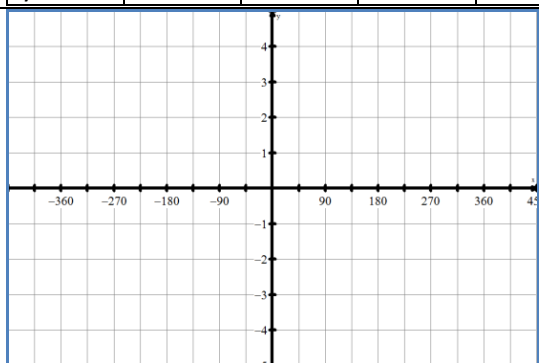
X°	45	135	225	315	405
y	3.5	2	0.5	2	3.5



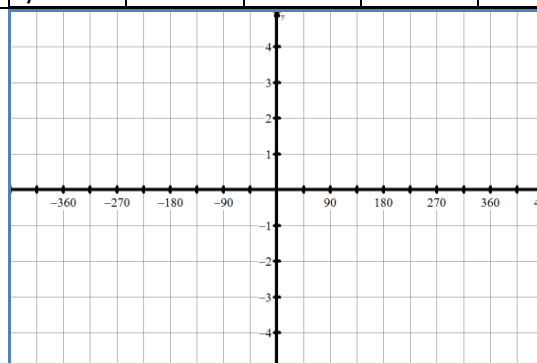
X°	0	45	90	135	180
y	0	3	0	-3	0



X°	-90	-30	30	90	150
y	0	3.5	5	3.5	0



X°	15	105	195	285	375
y	2	1	0	1	2

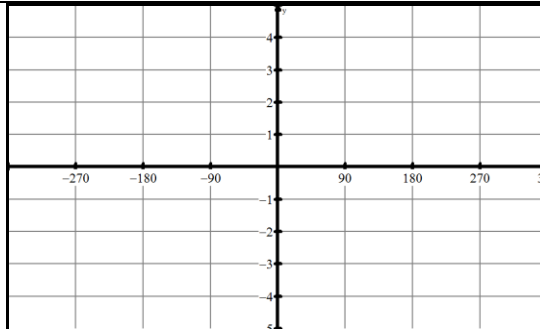


X°	-90	-45	0	45	90
y	6	-2	6	-2	6

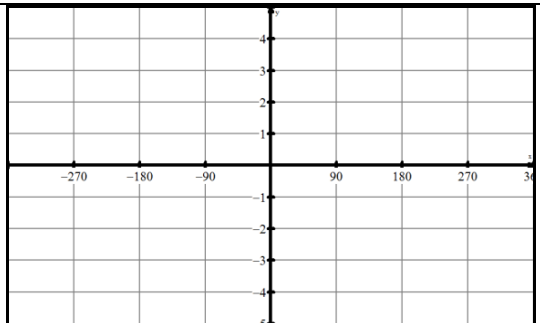
HOMEWORK for Transforming $y = \sin(x)$ and $y = \cos(x)$ | Lesson 32

Practice – From Equation to Graph – NO CALCULATOR

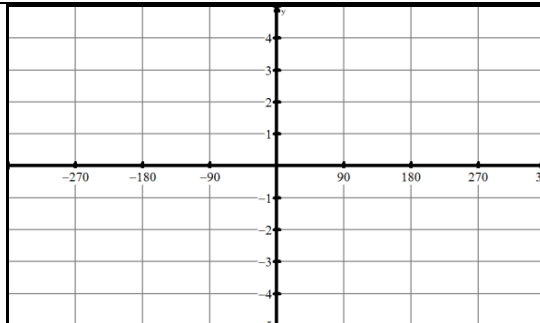
$$f(x) = 3 \sin(x) - 1$$



$$g(x) = 3 \cos(2x)$$



$$f(x) = \sin(x + 45) - 2$$



$$g(x) = \frac{1}{2} \cos(x - 90)$$

